Mountain Weather Forecast

Yorkshire Dales National Park

Forecast valid from 06:00 on Monday 11 Sep 2023 until 23:59 on Tuesday 12 Sep 2023

Forecast Issued on Monday 11 Sep 2023 at 03:53

Confidence: High for a breakdown of the warm and humid weather and a transition to cooler, fresher and more unsettled conditions through the period. Moderate for the details surrounding thundery outbreaks Sunday night and Monday, and for the timing and extent of frontal rain early Tuesday and Thursday.

Headline for Monday 11 Sep 2023: A dull and cloudy start with showers soon breaking out including some locally heavy and thundery downpours. Showers giving way to a more organised band of cloud and rain later.

Mountain weather hazards on Monday 11 Sep 2023

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales No Likelihood	**Severe chill effect** No Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms Medium Likelihood	**Heavy persistent rain** Medium Likelihood	**Strong sunlight** Low Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain	Thunderstorm	Heavy Rain	Light rain showers	Light rain	Heavy Rain
Precipitation probability					
30%	40%	60%	40%	40%	70%

Forecast for Monday 11 Sep 2023

Weather: Early patches of valley fog will clear readily. Low cloud will bring light rain and drizzle that will become more showery with time, with these heavier downpours perhaps turning thundery with hail. Brighter spells are then possible for a time, before cloud thickens from the northwest ahead of a band of showery and increasingly heavy rain closing out the day.

Chance of cloud-free hill tops above 600m: 20% at first, improving to 80% through the afternoon, falling to 40% into the evening.

Low Cloud and visibility: Areas of cloud around 300m during the morning, with some patches down to lower slopes, mainly in the far west. Cloud breaking and clearing from most hills during the afternoon, but still isolated patches obscuring higher tops above 600m. Bases briefly lowering in the vicinity of heavy or prolonged showers to around 500m. Best of the cloud breaks towards the western Dales. During the evening, cloud bases lowering from the northwest to around 500m as rain approaches. Very poor visibility in early mist and fog and any drizzle, improving to good outside of rain, but still slightly hazy. Moderate or poor visibility in showers or heavy rain later.

Check our weather forecast every day to get the most accurate and up to date information
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Mountain Weather Forecast

Forecast for Monday 11 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	17/23 SW	16/21 SW	13/19 W	12/17 W	8/11 W	5/7 NW	6/10 N
300	10/21 SW	10/19 SW	9/17 W	8/15 W	4/10 W	4/7 W	6/11 N
Valley	5/15 SW	7/16 SW	7/13 W	6/12 W	3/7 W	2/5 W	6/12 N

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	14/11	15/12	14/12	14/11	12/10	11/10	10/9
300	16/14	16/15	16/15	16/15	14/14	13/13	13/12
Valley	17/17	17/17	17/17	17/16	15/15	14/14	14/13
Freezing Level*	3200m	3100m	3200m	3200m	3200m	3000m	2900m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Conditions have the potential to become very poor in thunderstorms, with lightning and hail. Heavy downpours may lead to swollen watercourses and slippery surfaces. Navigation likely to be challenging at times given banks of low cloud.

Recent rainfall: measured at Malham: altitude 375m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Mon 11 Sep 2023	1.2mm	1.4mm	1.4mm

Forecast for Tuesday 12 Sep 2023

Weather: Overnight rain will clear to the south early morning, although some thicker cloud may linger across the southern Dales with outbreaks of drizzle at times. Low cloud persisting across western ranges and obscuring higher routes, although some bright or sunny spells likely to develop by mid-afternoon. Drier, and fresher conditions gradually becoming established from the west.

Maximum wind: North to northeast 10-15 mph, gusting 20-25 mph.

Chance of cloud-free hill tops above 600m: 30%, improving to 70% from the west by mid-afternoon.

Low Cloud and visibility: Widespread low cloud during the morning, bases around 500m. Cloud bases improving uncertainly from the west as rain clears largely lifting above tops by mid-afternoon. Visibility will be poor in overnight rain and any drizzle, improving to good or very good through the afternoon

Temperature: **Valleys:** Plus 12 Celsius, rising to Plus 17 Celsius.
At 600m: Plus 9 Celsius, rising to Plus 12 Celsius.
Freezing level: Above tops

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